

FIG. 1

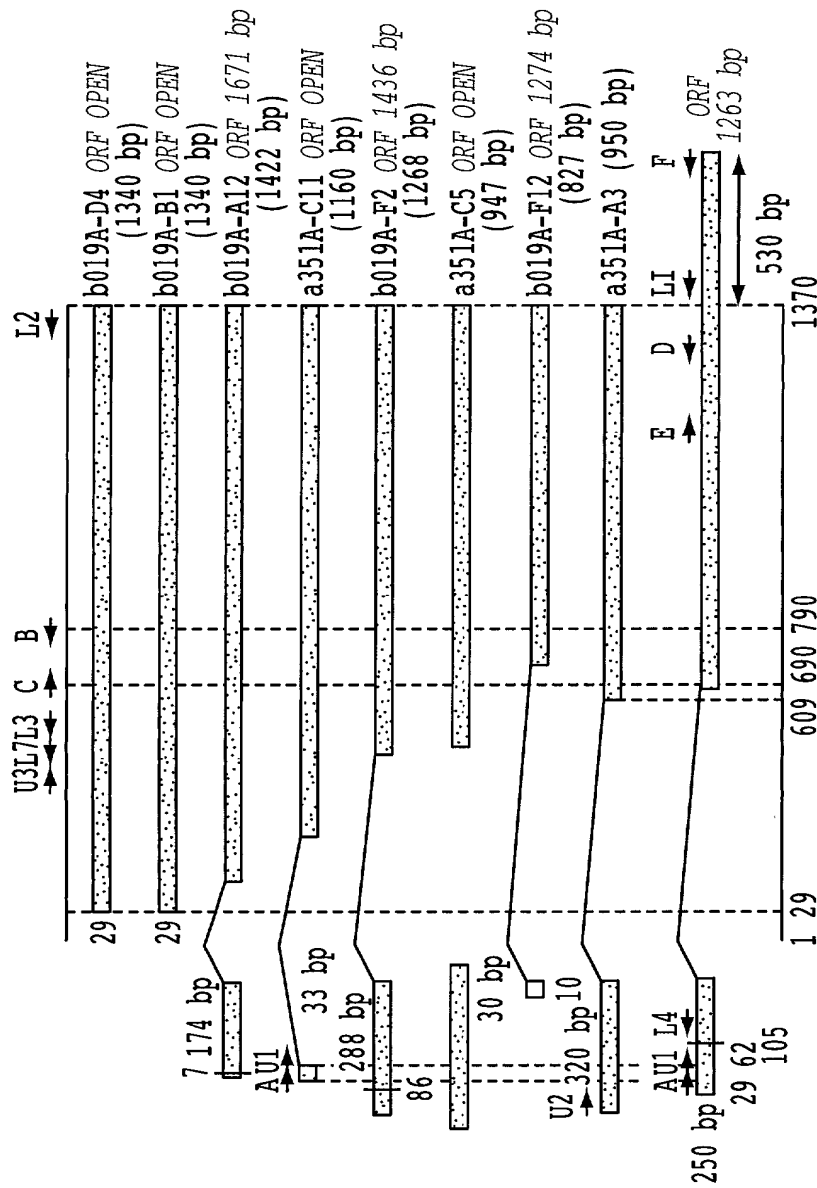


FIG. 2

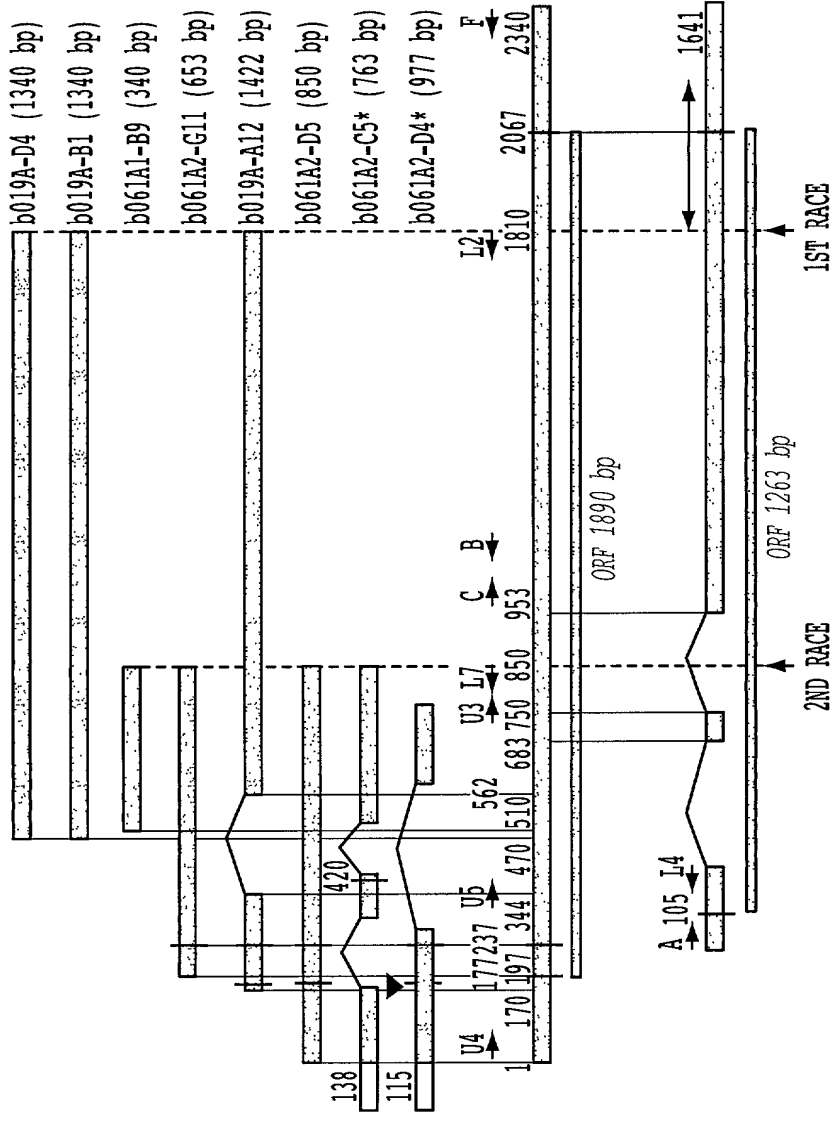


FIG. 3

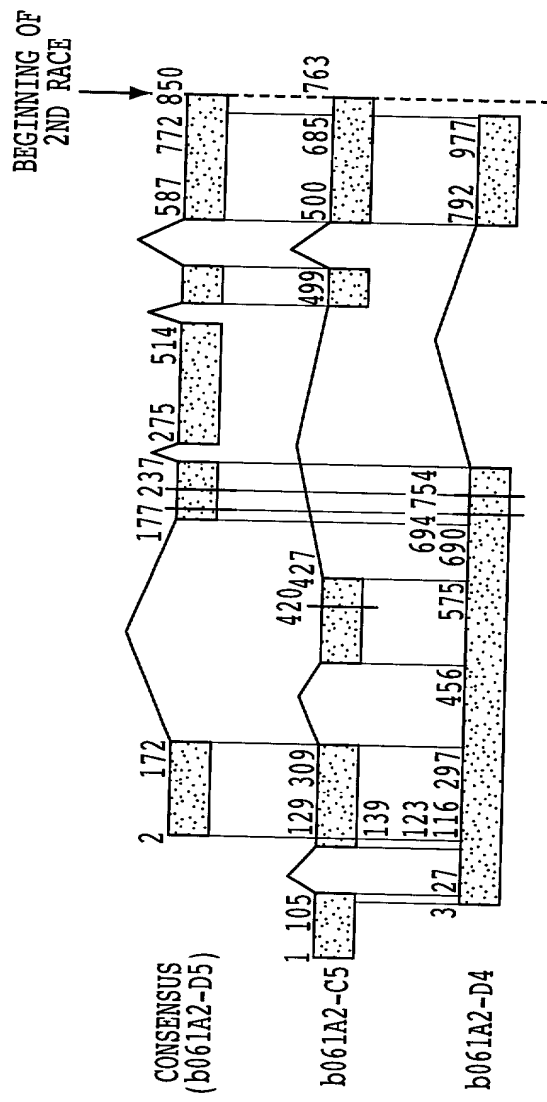


FIG. 4

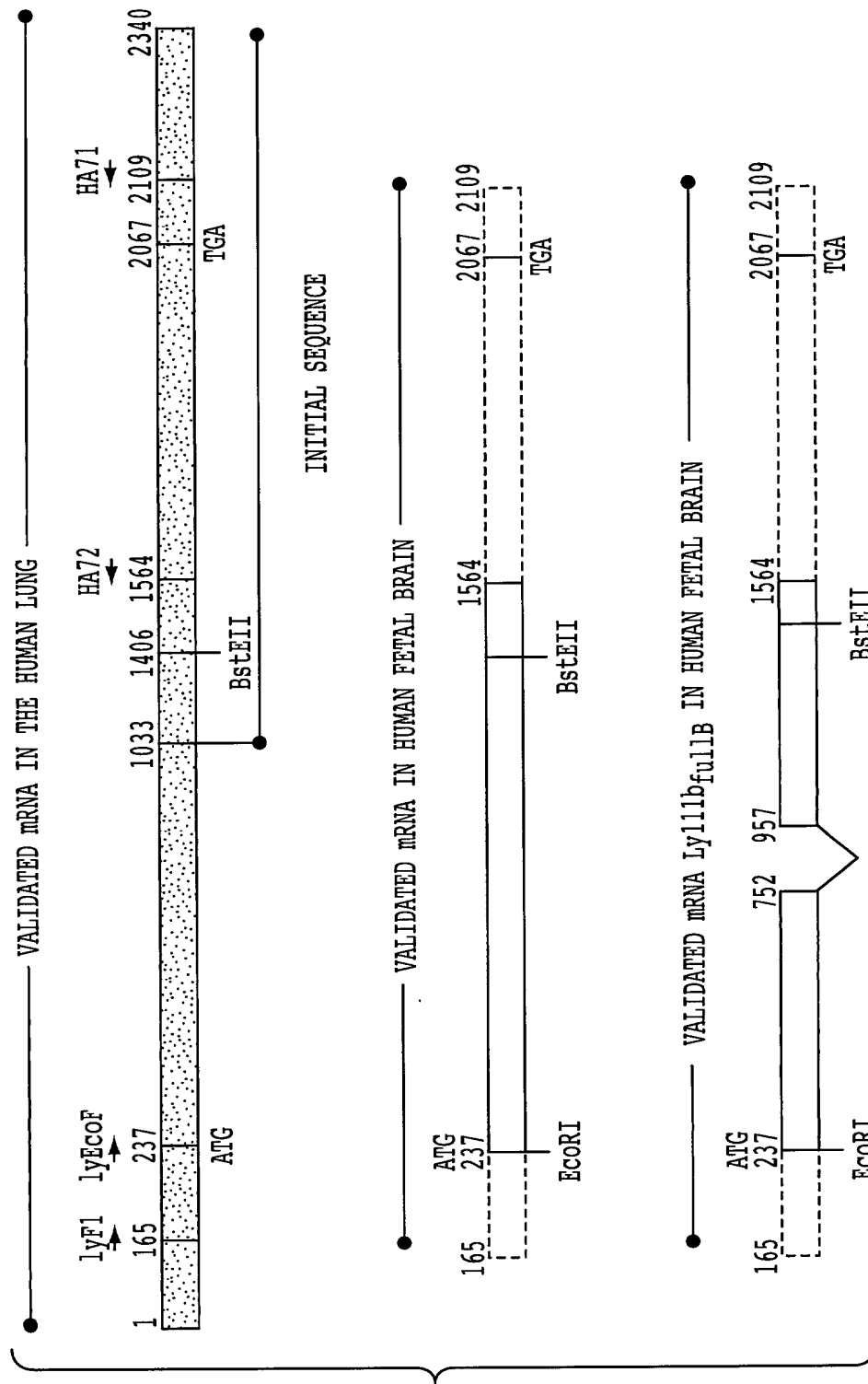


FIG. 5

Ly111b-fullA : the transcript

AATGGAAGGGCGTGAGCGCTTGGTCCATGCAGTGAAGCTCTTCCAACCTGGGTCAACGAAAACG
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 CCAGGTCTGTACCGAGACCAGGCGGTTCAAAACACAGAGGAGGAGAGGACACGGAACCTGAAA
 ACACACCTGCAGCATCTCCGGTGGAAGGAGCGAAGAACACGACTGGGAGCACAAAGAGAAGT
 GCTGTGCGCGCTGCCAGCAGGTGCTGGGGTTCTTGCTGCACCGGGGCGCCGTGTGCCGGGGCTG
 CAGCCACCGCGTGTGTGCCCAGTGCCGAGTGTTCTGAGGGGGACCCATGCCTGGAAGTGCACG
 GTGTGCTTCGAGGACAGGAATGTCAAATAAAAACTGGAGAATGGTTCTATGAGGAACGAGCCA
 AGAAATTTCCAACCTGGAGGCAAACATGAGACAGTTGGAGGGCAGCTCTTGCAATCTTATCAGAA
 GCTGAGCAAATTTCTGTGGTTCTCTACTCCACCTCCTGTCAGCGAGAGCCAGTGCAGCCGC
 AGTCTTGGCAGGTTACAGGAATTTGGTTCAGTTTAGAGGATTTAATAAGTCCGTGGAAAATTTGT
TTCTGTCTCTTGCTACCCACGTGAAAAAGCTCTCCAAATCCAGAATGATATGACTTCTGAGAA
GCATCTTCTCGCCACGGGGCCCCAGGCAGTGTGTGGGACAGACAGAGAGACGGAGCCAGTCTGAC
ACTGCGGTCAACGTCACCACCAGGAAGGTTCAGTGCACCAGATATTCTGAAACCTCTCAATCAAG
 AGGATCCCAAATGCTCTACTAACCCTATTTTGAAGCAACAGAATCTCCCATCCAGTCCGGCACC
 CAGTACCATATTCTCTGGAGGTTTTAGACACGGAAGTTTAATTAGCATTGACAGCACCTGTACA
 GAGATGGGCAATTTTGACAATGCTAATGTCACTGGAGAAATAGAATTTGCCATTCAATTATTGCT
 TCAAAACCCATTCTTTAGAAATATGCATCAAGGCCTGTAAGAACCTTGCCATGGAGAAGAAAA
 GAAGAAAAAGTGCAATCCGTATGTGAAGACCTACCTGTTGCCCGACAGATCCTCCAGGGAAAG
 CGCAAGACTGGAGTCCAAAGGAACACCGTGGACCCGACCTTTCAGGAGACCTTGAAGTATCAGG
 TGGCCCCCTGCCAGCTGGTGACCCGGCAGCTGCAGGTCTCGGTGTGGCATCTGGGCACGCTGGC
 CCGGAGAGTGTTTCTTGAGAAAGTGATCATTCTCGGCCACGTGGGACTTTGAAGACAGCACA
 ACACAGTCTTCCGCTGGCATCCGCTCCGGGCCAAGGCGGAGAAATACGAAGACAGCGTTCCTC
 AGAGTAATGGAGAGCTCACAGTCCGGGCTAAGCTGGTTCTCCCTTCACGGCCCAGAAAACCTCCA
 AGAGGCTCAAGAAGGGACAGATCAGCCATCACTTCATGGTCAACTTTGTTTGGTAGTGCTAGGA
 GCCAAGAATTTACCTGTGCGGCCAGATGGCACCTTGAACCTATTTGTTAAGGGCTGTCTCACTC
 TGCCAGACCAACAAAACTGAGACTGAAGTCGCCAGTCTGAGGAAGCAGGCTTGCCCCCAGTG
 GAAACACTCATTTGTCTTCAGTGGCGTAACCCAGCTCAGCTGAGGCAGTCGAGCTTGAGGTTA
 ACTGTCTGGGATCAGGCCCTCTTTGGAATGAACGACCGCTTGCTTGAGGAACCAGACTTGTTT
 CAAAGGGAGACACAGCTGTTGGCGGGGATGCATGCTCACAATCGAAGCTCCAGTGGCAGAAAGT
 CCTTTCCAGCCCCAATCTATGGACAGACATGACTCTTGCTCTGCACTGACATGAAGGCCTCAAG
 GTTCCAGGTTGCAGCAGGCGTGAGG

pLy111b-fullA : the protein

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 PPTPPVSESOCSSRSPGRLOEFGOFRGENKSVENLFLSLATHVKLSKSONDMTSEKHLLATGPROCVGOTERRSOS
 DTAVNVTTTRKVSAPDILKPLNOEDPKCSTNPILKQONLPSSPAPSTIESGGFRHGSLISIDSTCTEMGNFDNANVTG
EIEFAIRYCEKTHSLEICIKACKNLAYGEEKKKCNPYVKTILLPDRSSOGKRKTGVORNTVDPTEOETLKYOVAPA
OLVTROLOVSVVHLGTLARRVFLGEVILPLATWDFEDSTTQSFWRWHLRAKAKEYEDSVPOSNGELTVRAKLVLPSR
 PRKLOEAQEGTDOPSLHGQLCLVVLGAKNLPVRPDGTLNSFVKGSLTLPDQOKLRLKSPVLRKQACPQWKHSFVFSG
 VTPAQLRQSSLELTVWDQALFGMNDRLGCTRLGSKGDTAVGGDACSQSKLQWQKVLSSPNLWTDMTLVLH

FIG. 6

Ly111b-fullB : the transcript

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TTCTCCAGGTCCTGTACCGAGACCAGGCGGTTCAAACACAGAGGAGGAGAGGACACGGAAA
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GCCGGGGCTGCAGCCACCGCGTGTGTGCCAGTGCCGAGTGTTCTGAGGGGGACCCATGCC
TGGAAGTGACGGTGTGCTTCGAGGACAGGAATGTCAAATAAAAACTGGAGAATGGTTCTA
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TGCAATCTTATCAGAAGCTGAGCAAAATTTCTGTGGTTCCTCCTACTCCACCTCCTGTCAGC
GAGAGCCAGTGACGCCGAGTCTTGGCAGGAAGGTGAGTGACCCAGATATTCTGAAACCTCT
CAATCAAGAGGATCCCAAATGCTCTACTAACCTATTTTGAAGCAACAGAATCTCCCATCCA
GTCCGGCACCCAGTACCATATTCTCTGGAGGTTTTAGACACGGAAGTTTAATTAGCATTGAC
AGCACCTGTACAGAGATGGGCAATTTTGACAATGCTAATGTCAGTGGAGAAATAGAATTTGC
CATTCAATTATTGCTTCAAACCCATTCTTTAGAAATATGCATCAAGGCCTGTAAGAACCTTG
CCTATGGAGAAGAAAAGAAGAAAAAGTGCAATCCGTATGTGAAGACCTACCTGTTGCCCGAC
AGATCCTCCCAGGGAAAGCGCAAGACTGGAGTCCAAAGGAACACCGTGGACCCGACCTTTCA
GGAGACCTTGAAGTATCAGGTGGCCCCCTGCCAGCTGGTGACCCGGCAGCTCCAGGTCTCGG
TGTGGCATCTGGGCACGCTGGCCCCGAGAGTGTTTCTTGAGAAAGTGATCATTCTCTGGCC
ACGTGGGACTTTGAAGACAGCACAAACACAGTCCTTCCGCTGGCATCCGCTCCGGGCCAAGGC
GGAGAAATACGAAGACAGCGTTCTCAGAGTAATGGAGAGCTCACAGTCCGGGCTAAGCTGC
TTCTCCCTTACGGGCCAGAAAACTCCAAGAGGCTCAAGAAGGGACAGATCAGCCATCACTT
CATGGTCAACTTTGTTTGGTAGTGCTAGGAGCCAAGAATTTACCTGTGCGGCCAGATGGCAC
CTTGAAGTCAATTTGTTAAGGGCTGTCTCACTCTGCCAGACCAACAAAACTGAGACTGAAGT
CGCCAGTCTGAGGAAGCAGGCTTGCCCCAGTGGAAACACTCATTGTCTTCACTGGCGTA
ACCCAGCTCAGCTGAGGCAGTCGAGCTTGGAGTAACTGTCTGGGATCAGGCCCTCTTTGG
AATGAACGACCGCTTGCTTGGAGGAACCAGACTTGGTTCAAAGGGAGACACAGCTGTTGGCG
GGGATGCATGCTCACAATCGAAGCTCCAGTGGCAGAAAGTCCTTTCCAGCCCCAATCTATGG
ACAGACATGACTCTTGTCTGCACTGACATGAAGGCCTCAAGGTTCCAGGTTGCAGCAGGCC
TGAGG

pLy111b-fullB : the protein

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PPTPPPVSSESQCSRPGRKVSAPDILKPLNOEDPKCSTNPILKQONLPSSPAPSTIFSGGFRHGSLISIDSTCTEMG
NFDNANVTGEIEFAIHCFKTHSLEICIKACKNLATGEEKKKCNPYVKTYLLPDRSSQGRKTGVORNTVDPTFOE
TLKYQVAPAQLVTROLOVSVVHLGTLARRVFLGEVILPLATWDFEDSTTQSFRRWHPLRAKAEKYEDSVPOSNGELTV
RAKLVLPSRPRKLQEAQECTDQPSLHGQLCLVVLGAKNLPVRPDGTLNSFVKGCLTLPDQOKLRLKSPVLRKQACPO
WKHSFVESGVTPAQLRQSSLELTVWDQALFGMNDRLLGTRLGSKGDTAVGGDACSQSKLOWOKVLSPPNLWTDMTL
VLH

FIG. 7

FIG. 8A-1

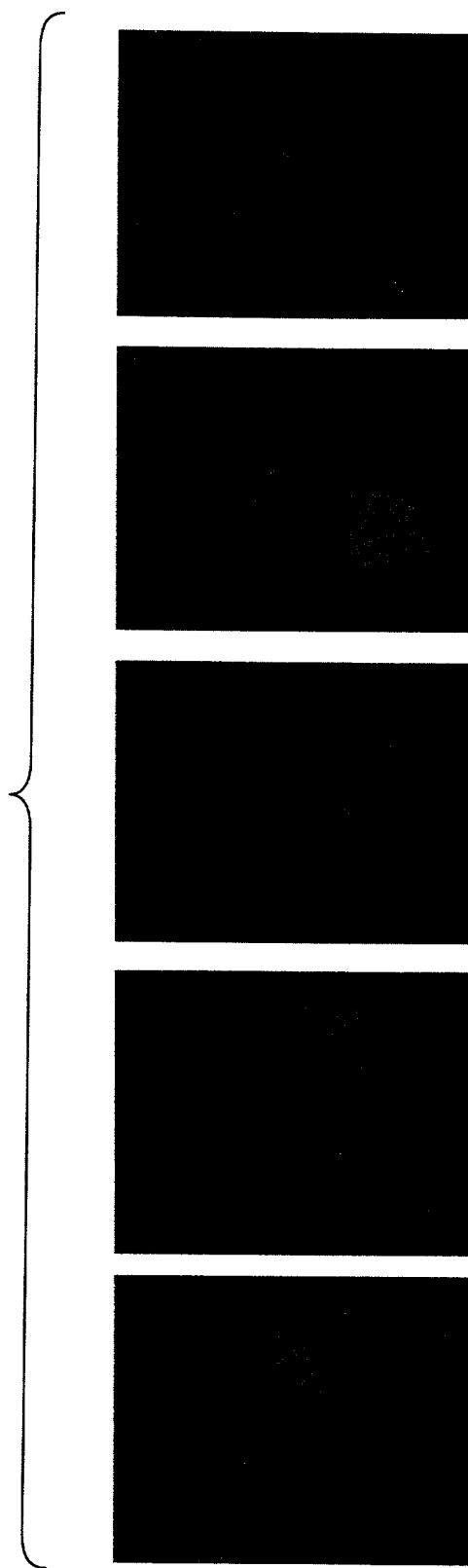


FIG. 8A-1

TOP SECRET

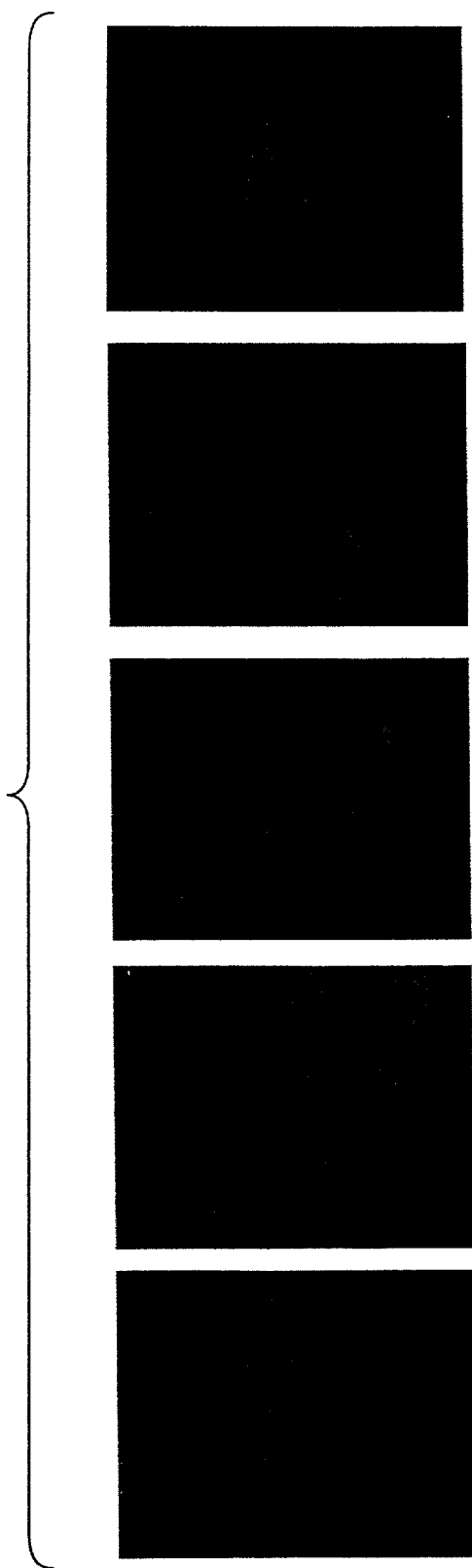


FIG. 8A-2

TOP OF 6450200

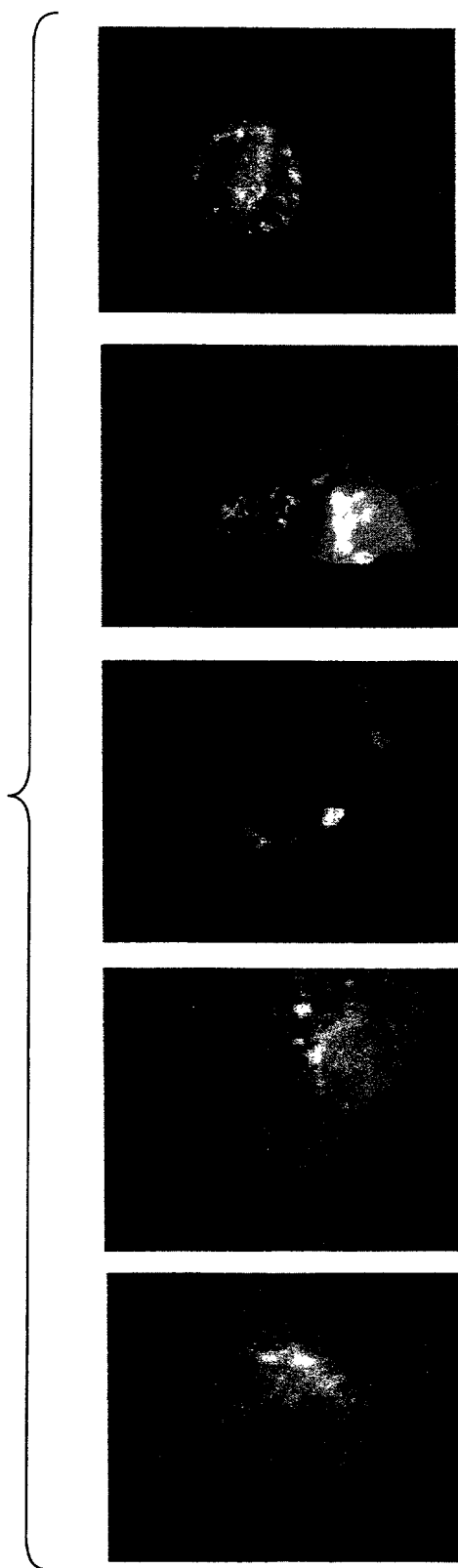


FIG. 8A-3

FIG. 8B-1

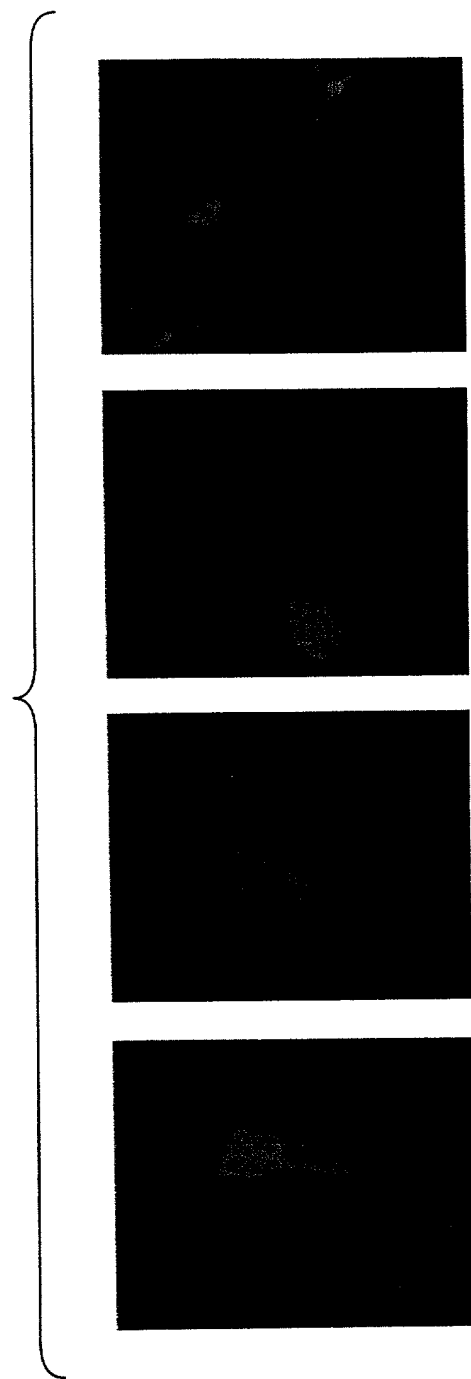


FIG. 8B-1

FIG. 8B-2

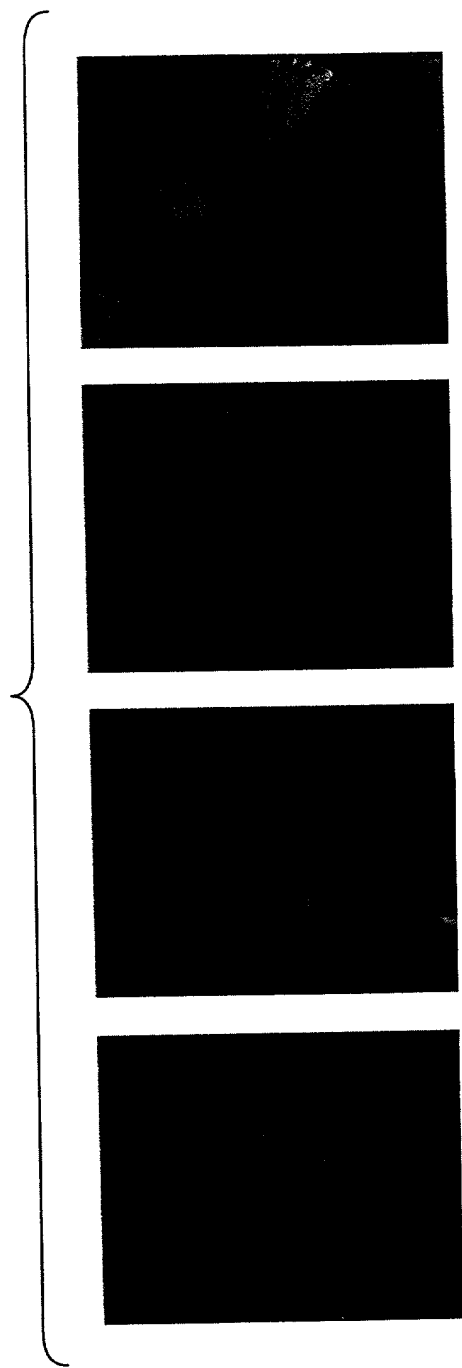


FIG. 8B-2

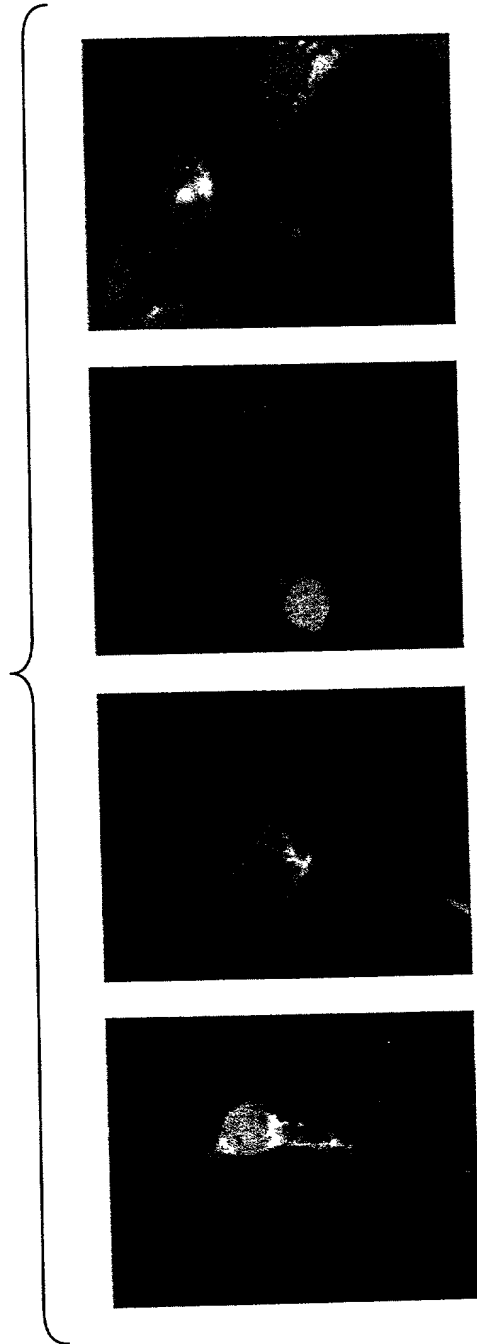


FIG. 8B-3

Ly11b-fullB : the transcript

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GACACGGAAACTGAAAACACACCTGCAGCATCTCCGGTGGAAAGGAGCGAAGAACACGGACTGGGAGC
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CGGCGCTGCAGCCACCGCGTGTGTGCCAGTGCCGAGTGTTCTGAGGGGGACCCATGCCTGGAAGTG
CACGGTGTGCTTCGAGGACAGCAATGTCAAATAAAAACTGGAGAATGGTTCATGAGGAACGAGCCA
AGAAATTTCCAACCTGGAGGCAACATGAGACAGTTGGAGGGCAGCTCTTGCAATCTTATCAGAAGCTG
AGCAAAATTTCTGTGGTTCCTCCTACTCCACCTCCTGTGAGCGAGAGCCAGTGCAGCCGCGAGTCTGG
CAGGTTACAGGAATTTCTCCTCACTTTAGAGGATTTAATAAGTCCGTGGAAAATTTGTTTCTGTCTCTTG
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GGCCCCAGGCAGTGTGTGGGACAGACAGAGAGACGGAGCCAGTGTGACACTGCGGTCAACGTCACCAC
CAGGAAGGTCAAGTGCACAGATATTCTGAAACCTCTCAATCAAGAGGATCCCAAATGCTCTACTAACC
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CACGGAAGTTTAATTAGCATTGACAGCACCTGTACAGAGATGGGCAATTTTGACAATGCTAATGTAC
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CATTTGTCTTCAGTGGCGTAACCCAGCTCAGCTGAGGCAGTGCAGCTTGGAGTTAACTGTCTGGGAT
CAGGCCCTCTTTGGAATGAACGACCGCTTGCTTGGAGGAACCAGACTTGGTTCAAAGGGAGACACAGC
TGTTGGCGGGGATGCATGCTCACAATCGAAGCTCCAGTGGCAGAAAGTCCCTTCCAGCCCCAATCTAT
GGACAGACATGACTCTTGTCTGCACTGACATGAAGGCCTCAAGGTTCCAGCTTGCAGCAGGCGTGAG
GCACTGTGCGTCTGCAGAGGGGCTACGAACCAGGTGCAGGGTCCAGCTGGAGACCCCTTTGACCTTG
AGCAGTCTCCATCTGCGGCCCTGTCCCATGGCTTAACCGCCTATTGGTATCTGTGTATATTTACGTTA
AACACAATTATGTTACCTAAGCCTCTGGTGGGTTATCTCCTCTTTGAGATGTAGAAAATGGCCAGATT
TTATAAATCGTTGTTACCCATGAAAAA

: the protein

MAQEIDLSALKELEREAILQVLYRDQAVQNTTEERTRKLKTHLQHLRWKGAKNTDWEHKEKCCARCOQ
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PAPSTIFSGGFRHGSLSIDSTCTEMGNFDNANVTGEIEFAIHCFKTHSLEICIKACKNLAYGEEKK
KKCNPYVKTYLLPDRSSQGRKRTGVQRNTVDPTFQETLKYQVAPAQLVTRQLQVSVVHLGLTARRVFL
GEVILPLATWDFEDSTTQSFWRHPLRAKAEKYEDSVQSNGLTVRAKLVLPSPRKLQEAQEGTDQP
SLHGQLCLVVLGAKNLPVRPDGLNSFVKGLTLDPQQLRLKSPVLRKQACPOWKHSFVFSGVTPAQ
LRQGSLELTVDWDQALFGMNDRLLGTRLGSKGDTAVGGDACSQSKLQWQKVLSSPNLWTDMLTVLH

FIG. 9

: the transcript

GAAATCATGCCCCCTCGTAGAGCAGCAGGTCCAAGCAGGGCTGCTGGCTATTTTTCCAAAAAG
TGAGGCAGTTTAAAAAAAAGGCGGAGAACTAGAATTATAGAATAATGGCACATTTTGTGTAT
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GCAAAATTTCTGTGGTTCCTCCTACTCCACCTCCTGTCAGCGAGAGCCAGTGCAGCCGCAGT
CCTGGCAGGAAGGTCAGTGCACCAGATATTCTGAAACCTCTCAATCAAGAGGATCCCAAATG
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CCCCGAGAGTGTTCCTTGGAGAAGTGATCATTCCTCTGGCCACGTGGGACTTTGAAGACAGC
ACAACACAGTCCTTCCGCTGGCATCCGCTCCGGGCCAAGGCGGAGAAATACGAAGACAGCGT
TCCTCAGAGTAATGGAGAGCTCACAGTCCGGGGCTAAGCTGGTTCTCCCTTCACGGCCCAGAA
AACTCCAAGAGGCTCAAGAAGGGACAGATCAGCCATCACTTCATGGTCAACTTTGTTTGGTA
GTGCTAGGAGCCAAGAATTTACCTGTGCGGCCAGATGGCACCTTGAATCATTGTAAAGGG
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CTTGCCCCCAGTGGAAACACTCATTGTCTTCAGTGGCGTAACCCCAGCTCAGCTGAGGCAG
TCGAGCTTGGAGTTAACTGTCTGGGATCAGGCCCTCTTTGGAATGAACGACCGCTTGCTTGG
AGGAACCAGACTTGGTTCAAAGGGAGACACAGCTGTTGGCGGGGATGCATGCTCACAATCGA
AGCTCCAGTGGCAGAAAGTCCTTTCCAGCCCCAATCTATGGACAGACATGACTCTTGTCCTG
CACTGACATGAAGGCCTCAAGGTTCCAGGTTGCAGCAGGCGTGAGGCACTGTGCGTCTGCAG
AGGGGCTACGAACCAGGTGCAGGTTCCAGCTGGAGACCCCTTTGACCTTGAGCAGTCTCCA
TCTGCGGCCCTGTCCCATGGCTTAACCGCTATTGGTATCTGTGTATATTTACGTAAACAC
AATTATGTTACCTAAGCCTCTGGTGGGTTATCTCCTCTTTGAGATGTAGAAAATGGCCAGAT
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: the protein

MGNFDNANVTGEIEFAIHYCFKTHSLEICIKACKNLAYGEEKKKKCNPYVKTYLLPDRSSQG
KRKTGVQRNTVDPTFQETLKYQVAPAQLVTRQLQVSVVHLGTLARRVFLGEVVIPLATWDFE
DSTTQSFRWHPLRAKAEKYEDSVQSNGELTVRAKLVLPSRPRKLOEAQEGTDQPSLHGQLC
LVVLGAKNLPVRPDGTLNSFVKGCLTLPDQQLRLKSPVLRKQACPQWKHSFVFSGVTPAQL
RQSSLELTVWDQALFGMNDRLGGTRLGSKGDTAVGGDACSQSKLQWQVLSSPNLWTDMTL
VLH

FIG. 10